

Name: _____

p1103: Expand Product of Linear Binomials (v26)

Question 1

Expand the product of linear binomials. $(x + 8)(x - 3)$

$$x^2 - 3x + 8x - 24$$

$$x^2 + 5x - 24$$

Question 2

Expand the product of linear binomials. $(x + 7)(x + 4)$

$$x^2 + 4x + 7x + 28$$

$$x^2 + 11x + 28$$

Question 3

Expand the product of linear binomials. $(x + 6)(x - 6)$

$$x^2 - 6x + 6x - 36$$

$$x^2 - 36$$

Question 4

Expand the product of linear binomials. $(3x - 3)(6x - 8)$

$$18x^2 - 24x - 18x + 24$$

$$18x^2 - 42x + 24$$

Question 5

Expand the product of linear binomials. $(-8x + 9)(x - 2)$

$$-8x^2 + 16x + 9x - 18$$

$$-8x^2 + 25x - 18$$

Question 6

Expand the product of linear binomials. $(x - 9)(x - 5)$

$$x^2 - 5x - 9x + 45$$

$$x^2 - 14x + 45$$

Question 7

Expand the product of linear binomials. $(-4x + 2)(-8x + 9)$

$$32x^2 - 36x - 16x + 18$$

$$32x^2 - 52x + 18$$

Question 8

Expand the product of linear binomials. $(x - 3)(x + 1)$

$$x^2 + x - 3x - 3$$

$$x^2 - 2x - 3$$

Question 9

Expand the product of linear binomials. $(-x - 1)(x + 4)$

$$-x^2 - 4x - x - 4$$

$$-x^2 - 5x - 4$$

Question 10

Expand the product of linear binomials. $(-9x + 8)(-x - 3)$

$$9x^2 + 27x - 8x - 24$$

$$9x^2 + 19x - 24$$